

PM 15 352-485

TS 107
15993
~~10288~~
331 / 1742

SEP 29 1986

E.I. du Pont de Nemours & Company, Inc.
Walker Mill, Barley Mill Plaza
Wilmington, DE 19898

Gentlemen:

Subject: Updated Label/Request to Add Sprinkler
Irrigation to Pydrin Label
PYDRIN Insecticide 2.4 Emulsible Concentrate
EPA Registration No. 352-485
Your Submission Dated October 2, 1985

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, and Rodenticide Act, is acceptable, provided that you:

1. Make the labeling change listed below before you release the product for shipment bearing the amended labeling:
 - Submit the latest Pydrin label. Since this action, several changes have taken place on the label, such as deletions and addition of crops.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

86336:Heyward:LR-1:KENCO:12/1/86:12/12/86:PAR:VO

SYMBOL ▶							
SURNAME ▶							
DATE ▶							

1

**RESTRICTED USE
PESTICIDE**
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

**Federally Registered Uses
through June 1, 1985**

This booklet contains new and supplemental uses for this product which may not appear in label booklet packed with product and must be in possession of user at time of application.

ACL 2319F 9-85

Pydrin[®]
Insecticide
2.4 Emulsible Concentrate

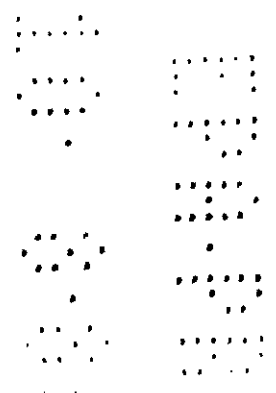
AVISO
PRECAUCION
AL USUARIO:
Si usted no lee ingles,
no use este producto
hasta que le digamos
haya sido explicado
adecuadamente.

**KEEP OUT OF REACH OF CHILDREN
WARNING**
May be irritating to skin, eyes, nose and throat.
Causes substantial but temporary eye injury.
Harmful if swallowed.

ACCEPTED
with COMMENTS
in EPA Letter Docket

SEP 29 1986

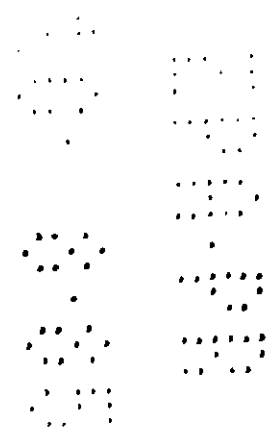
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, the pesticide
registered under EPA Reg. No.
352-485



Contents

Directions for Use. 3
 General Directions. 3
 Cotton. 4
 Field Crops 5-8
 Fruit and Nuts. 9-10
 Vegetable Crops. 11-13
 Specialty Uses 14
Ornamentals. 15
Notice of Warranty 3
Precautionary Statements. 2
 Hazards to Humans. 2
 Environmental Hazards. 2
Storage and Disposal 3
Reentry Statements 3

SHELL CHEMICAL COMPANY
A Division of Shell Oil Company
AGRICULTURAL CHEMICALS
HOUSTON, TX 77001
ACL 2319F 9-85



Pydrin[®]

Insecticide

2.4 Emulsible Concentrate

This product contains 2.4 lbs. of PYDRIN per gallon

ACTIVE INGREDIENT	BY WEIGHT
Cyano (3-phenoxyphenyl) methyl- 4-chloro-alpha-(1-methylethyl) benzeneacetate	30%
INERT INGREDIENTS	70%
TOTAL	100%

EPA Reg. No. 201-401
EPA EST No. 5905-AR-1

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, do not induce vomiting. Call a physician. Gastric lavage should be supervised by a physician or the professional staff because of the possible pulmonary damage via aspiration of the solvent.

IF ON THE SKIN, wash with plenty of soap and water immediately. After drying apply vitamin E cream or oil. If vitamin E cream or oil is not available, apply vegetable oil over any irritated areas.

Seek medical attention if irritation persists.

IF IN EYES, flush with plenty of water. Call a physician.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS — WARNING

Causes substantial but temporary eye injury. Wear goggles while handling. Can cause irritation to skin such as burning and tingling. Do not get in eyes, on skin, or on clothing. Wear protective gloves while handling. Harmful if swallowed or absorbed through skin. If material gets on skin, the affected area should be thoroughly washed with plenty of soap and water immediately. After drying area(s) apply vitamin E cream or oil. If vitamin E cream or oil is not available, apply vegetable oil over irritated area(s). Treatment may be performed repeatedly until relief is achieved. Remove and wash clothing before reuse.

For 24-hour emergency medical assistance, call (713) 473-9461.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

WILDLIFE PROTECTION IS EVERYONE'S RESPONSIBILITY

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply PYDRIN or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Additional information may be obtained by consulting your Cooperative Extension Service.

p. 5

DIRECTIONS FOR USE

is a violation of Federal Law to use this product in a manner inconsistent with the labeling.

OR END-USE ONLY. DO NOT REPACKAGE OR REFORMULATE WITHOUT MANUFACTURER'S WRITTEN APPROVAL.

REENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "WARNING! Area treated with PYDRIN Insecticide on (date of application). Do not enter without appropriate protective clothing until sprays have dried. (Insert here action to take in case of accidental exposure. See front panel STATEMENT OF PRACTICAL TREATMENT for details.)"

GENERAL DIRECTIONS

PYDRIN Insecticide 2.4 Emulsible Concentrate contains 2.4 pounds of active ingredient per gallon. For the applications given below, mix the required amount of PYDRIN in sufficient diluent to provide uniform coverage (Refer to Use Tables). PYDRIN may be applied by ground or aerial application equipment. PYDRIN, alone or pre-mixed with water or oil if necessary for accurate metering, may also be injected into overhead sprinkler irrigation systems. The injection and irrigation systems must include: back flow check valves to prevent contamination of the water source and back flow of water into the PYDRIN tank; interlocking on-off switches to provide simultaneous shut off of irrigation and pumping devices; chemical resistant hoses and fittings; an irrigation system as needed in the PYDRIN holding tank. The irrigation system should be flushed with clean water at the end of the PYDRIN application. Precautions should be taken to prevent irrigation water runoff. Consult local authorities for additional irrigation application and safety instructions pertaining to this method of application. Do not enter treated areas before spray is dry. Do

not plant root crops other than those in this label within 12 months after last application. Root crops in this label and all other rotation crops may be planted immediately following last application.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in a secure, dry and temperate area. Keep container closed when not in use. Do not store near food or feed. Do not use or store around the home. Avoid contact with water. In case of spill or leak, soak up with sand, earth or synthetic absorbent (do not use alkaline absorbents) and dispose of wastes in compliance with local, State and Federal regulations.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning if container reuse is permitted. If container reuse is prohibited, use metal containers and dispose of in a sanitary landfill, or by other approved State and local procedures. Dispose of plastic containers in a sanitary landfill, or by incineration if allowed by State and local authorities. Dispose of glass containers in a sanitary landfill, or by other approved State and local procedures.

In case of a significant spill, call CHEMTREC (800) 424-9300 or (713) 473-9461.

NOTICE OF WARRANTY

SHELL CHEMICAL COMPANY MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.

Sumitomo Chemical Company, Ltd., holds U.S. Patents for the active ingredient. Sales by Shell Chemical Company of products containing the active ingredient are made under agreements with Sumitomo Chemical Company, Ltd.

COTTON

	Insect	Dosage		Number of days treated with Galfin	Further Use Instructions	Days to Harvest
		lb ai/ acre	fl oz/ acre			
Cotton ✓	Pink Bollworm	0.05 - 0.1	2 - 2 1/3 - 5 - 1 1/3	40 - 24	May be applied in water or manure/vegetable oils. When using oil, apply a total spray volume of 1 or more quarts/acre. When diluted with water, apply no less than one gallon per acre by air line of 3 gal/a in Arizona and 5 gallons per acre in California or 4 gallons per acre by ground. Repeat as necessary throughout season to maintain control. For the control of Boll Weevil, a 3-5 day interval bollworm sprays may be required. Apply no more than 2 fl oz to a crop in a growing season. Do not grow livestock on treated fields or feed treated trash. *Low rate to be used only for light infestations. **Aids in the suppression.	21
	Cotton Leaf Perforator	0.1	5 - 1/3	24		
	Cotton Bollworm	0.05 - 0.2	4-14 - 16-2/3	30 - 12		
	Tobacco Budworm, Loopers Bugs, Cottonleaf Looper, Bush Armyworm, Boll Weevil, Whitefly, Cutworms, Softscale Caterpillar, Thrips (on seedling cotton), Flea Bugs, Leafhoppers, Fleahoppers, Grasshoppers, Cotton Leafworm	0.10 - 0.20	5-1/3 - 10-2/3	24 - 12		

COTTON --- TANK MIX APPLICATIONS

READ AND FOLLOW ALL PRECAUTIONS AND RESTRICTIONS ON THE PRODUCT LABELING.

Tank Mix Combination	Insect	Dosage	Further Use Instructions	Days to Harvest
NUDRIN 1.0 Methoxyflucyprid Solution	Cotton Bollworm and Tobacco Budworm eggs	PYDRIN (from cotton table) with 1/2 pt/acre NUDRIN 1.0		21
NUDRIN 90 Methoxyflucyprid Powder (with adjuvant)	Cotton Bollworm and Tobacco Budworm eggs	PYDRIN (from cotton table) with 1/8 lb/acre NUDRIN 90	Add adjuvant (X-77, Bu-88, Unite, Irvon 8-1956 or equivalent*) to spray tank, then PYDRIN, then NUDRIN 90, agitate until thoroughly mixed.	
Aldrin 5 Water Miscible Insecticide	Thrips	PYDRIN (from cotton table) with 3-5 ml/acre AZODIN 5	Use the higher rates when insect populations are high	21
	Whiteflies	PYDRIN (from cotton table) with 3/8 - 1 - 5/8 pt/acre AZODIN 5		
	Mites	PYDRIN (from cotton table) with 7/8 - 1 - 5/8 pt/acre AZODIN 5		
Chlorpyrifos: Fendal 4EC or Chlorpyrifos 4EC	Cotton Bollworm	Pydrin 0.05 - 0.075 Chlorpyrifos 0.125		

*Quality of alternate should be determined before use.

857

FIELD CROPS

Crop	Insect	Dosage		Number acres treated with Galien	Further Use Instructions	Days to Harvest	
		lb ai/ acre	Fl oz/ acre				
Field Corn ✓					Do not exceed 1.0 lb. a.i. per acre per season.	21	
	<p>PYRINEX 2.4 EC may be tank-mixed with the following herbicides when insect populations require control concurrent with the need for weed control. Follow all herbicidal label directions regarding proper herbicide usage. Insect compatibility should be conducted before field mixtures are made and applications initiated.</p>						
	BLADEX 80WP BLADEX 4L	ATRAZINE 80 WP ATRAZINE 4L	Size 4.5L Insect DEC		Best DE Roundup		Paraquat CL Lasso 4 EC
	Coborn Grasshoppers	0.1 - 0.2	5-1/3 - 10-2/3	24-12	Apply as necessary to maintain control.		
	Western Bean Cutworm	0.05 - 0.1	2-2/3 - 5-1/3	48-24	Apply as necessary to maintain control. Application must be made before larvae enter the ear.		
	Corn Earworm	0.1 - 0.2	5-1/3 - 10-2/3	24-12	First application should be at or before silking. Subsequent applications should be made at 3-5 day intervals until silking is completed. Repeat applications may be applied if economically damaging populations exist.		
	Stalk Borer Flea Beetles	0.1 - 0.2	5-1/3 - 10-2/3	24-12	Application must be made early in migration from grassy areas to corn, before borers enter the plant. More than one application may be necessary.		
Corn Rootworm (adult control)	0.1 - 0.2	5-1/3 - 10-2/3	24-12	Spray at first sign of silk feeding. Reinfestation may occur. Should reinfestation occur, repeat as necessary to maintain control.			
Chinch Bugs	0.1 - 0.2	5-1/3 - 10-2/3	24-12	Over the top sprays, as used for control of ear and stalk nibbling corn pests, are not adequate for chinch bug control. It is very important that the spray be directed at the base of the plant through the use of drop nozzles or some other mechanism. Repeat as necessary to control migrating chinch bugs.			

BLADEX® Insecticide of Shell Chemical Co. Roundup®, Best®—Insecticides of Ciba-Geigy Corp. Insect® Insecticide of National Chemical Co. Roundup®; Lasso®—Insecticide of Monsanto Co. Paraquat—Insecticide of Chevron Chemical Co.

FIELD CROPS cont.

Pest	Insect	Stage		Number of plants treated with carrier	Further Use Instructions	Days to Harvest
		lb of corn	ft ² of corn			
Field Corn (Sweetcorn)	European Corn Borer	0.15 - 0.2	8.0 - 10-2/3	16-12	<p>First Insect: spray while eggs are in the blackhead stage or before the larvae enter the whorl. Application by ground equipment is suggested. Good coverage of both upper and lower leaf surface is essential. This can be accomplished with drop nozzles over the row and on each side of the corn plant. Multiple applications may be required when egg laying is prolonged or where moderate to heavy populations are present. A higher rate is recommended for moderate to heavy populations. Proper coverage by ground equipment usually requires 20-30 gallons of carrier. Once larvae enter the whorl, later sprays will not provide adequate control.</p> <p>Second Insect: make applications when sufficient egg masses are found. Spray when eggs are in the blackhead stage or starting to hatch. When egg laying is prolonged or a third generation is present, additional sprays may be required. A higher rate is recommended for moderate to heavy populations. Good coverage above, below, and on the ear zone is essential. This usually requires 2-3 gallons of carrier by air. If ground equipment is used, drop nozzles on each side of the plant will provide best coverage.</p>	21
	Southwestern Corn Borer	0.1 - 0.2	5-1/3 - 10-2/3	24-12	Apply as necessary to maintain control. Two or more applications may be required. Higher rates (0.15-0.2 lb. a.i.) are recommended for moderate to heavy populations.	
	Armyworm (True Armyworm)	0.1 - 0.2	5-1/3 - 10-2/3	24-12	Apply as necessary to maintain control.	

FIELD GROUPS cont.

75 9

Crop	Insect	Range		Number acres treated with Galien	Further Use Instructions	Days to Harvest
		Lb aif/ acre	Pt aif/ acre			
✓ Corn	Corn Leaf Aphid Dot (Bird-Cherry) Aphid	0.1 - 0.2	5-1/3 - 10-2/3	24-12	For optimum results, direct the spray of the aphid population so as to achieve maximum coverage of the exposed insects. Aphids not contacted by the spray, such as in whorls and leaf sheaths, may not be adequately controlled.	21
	Adult Corn Rootworm, European Corn Borer	Pydan and Parathion from respective corn labels			<p>PRIDAN 2.4 EC insecticide may be tank-mixed with Parathion (malathion or other) and applied on field corn (and seed corn) when supplemental control of Adult Corn Rootworm and/or European Corn Borer is desired in conjunction with insects controlled by PY-DAN insecticide when used alone.</p> <p>For supplemental control of weevil-bred European Corn Borer, make applications when sufficient egg masses are found. Spray when eggs are at the black-head stage or starting to hatch. When egg laying is prolonged or a third generation is present, additional sprays may be required. A higher rate is recommended for weevils in heavy populations. Good coverage above, below, and in the ear zone is essential. This weevil requires 2-3 gallons of carrier per ac. If ground equipment is used, drop nozzles on each side of the plant will provide best coverage.</p> <p>For supplemental control of Adult Corn Rootworm, spray at first signs of feeding. Resistance may occur. Should resistance occur, repeat as necessary to maintain control.</p> <p>Refer to the PRIDAN 2.4 EC and Parathion (malathion or other) labels for appropriate rates of the individual products for controlling the respective insects.</p>	21
✓ Seed Corn	For specific insect control recommendations refer to Field Corn (above). Follow directions carefully.				Multiple applications and/or shortened intervals between sprays must be used to insure proper insect control. Do not exceed 1.0 lb a.i. per acre per season.	21
✓ Pop Corn	For specific insect control recommendations refer to Field Corn (above). Follow directions carefully.				Multiple applications and/or shortened intervals between sprays must be used to insure proper insect control. Do not exceed 2.0 lb a.i. per acre per season.	1

FIELD CROPS cont.

f, 10

Crop	Insect	Range		Number acres treated with DDT	Further Use Insecticides	Days to Harvest
		lb. a.i./acre	PI. a.i./acre			
Corn	Corn Earworm, Red-necked Paonid Worm, Potato Leafhopper, Yellowish Caterpillar	0.05-0.1	2-2/3-5-1/3	40-24	Repeat as necessary to maintain control. Do not feed or graze livestock on treated plants. Do not exceed 0.5 lb. a.i. per acre per season. * * Aids in control. * * * Aids in control. For heavy infestations use of DDT in insecticide is recommended. Please refer to the label for use instructions.	21
	Beet Armyworm, Greenish Caterpillar, Greenhopper, Caterpillar	0.1-0.2	5-1/3-10-2/3	24-12		
	Lesser Cornstalk Borer * * Fall Armyworm * * *	0.2	10-2/3	12		
Soybean	Mexican Bean Beetle, Green Cloverworm, Yellowish Caterpillar, Potato Leafhopper, Saltmarsh Caterpillar, Woollybear Caterpillar	0.05-0.1	2-2/3-5-1/3	40-24	Repeat as necessary to maintain control. Do not feed or graze livestock on treated plants. Do not exceed 0.5 lb. a.i. per acre per season. When applying in susceptible vegetable oils use a total spray volume of 1 or more quarts.	21
	Cabbage Looper, Corn Earworm, Southern Green Stinkbug, Bean Leaf Beetle, Caterpillar, Three-cornered Alfalfa Hopper, Beet Armyworm, Grasshopper, Japanese Beetle (adult)	0.1-0.2	5-1/3-10-2/3	24-12		
Sugarcane	Sugarcane Borer	0.1-0.2	5-1/3-10-2/3	24-12	Repeat as necessary to maintain control. Do not exceed 0.5 lb. a.i./acre per season	21
Sunflower	Sunflower Beetle	0.05-0.1	2-2/3-5-1/3	40-24	Repeat as necessary to maintain control. Do not exceed 0.5 lb. a.i./acre per season.	20
	Grasshopper, Caterpillar, Nighthawk (moth), Sunflower Moth, Sunflower Seed Weevil, Girdler Sunflower Moth, Beet Armyworm, Sunflower Midge, Leafhopper, Sunflower Stem Weevil	0.1-0.2	5-1/3-10-2/3	24-12		

FRUITS AND NUTS

NOTE: Apply specified dosage per 100 gallons of water in a uniform spray applied to the parts of crop with conventional ground equipment. Do not exceed maximum number of gallons per acre indicated. In order to apply the correct amount of PESTICIDE treatments to your orchard you must know the number of gallons of water needed to spray one acre of your trees in the part of day. If you do not already know this percentage, you should contact a local Extension Office. If you do not have time to contact such a local office, you should ask someone from your equipment dealer or State Extension personnel. **CONCENTRATED SPRAY:** Apply specified dosage per volume of water less than 20 gallons of water per acre by ground. When applying by air, consult your State Extension Service for application guidelines.

Crop	Insect	Dosage			Number acres treated with solution	Further Use Instructions	Days to Harvest
		Concentrate Spray		Dilute Spray			
		lb of conc	fl oz of conc	gal of 100 gals			
Apple	White-banded Leafhopper, Codling Moth, Wintered Leafhopper, White Apple Leafhopper, Lenticular Leaf Miner, San Jose Scale (and related subspecies), Apple Acale, Lenticular Leafhopper, Plum Curculio, Oriental Fruit Moth, Apple Maggot, Pear-banded Leafhopper, Lesser Appleworm, Green Fruitworm, Honey Apple Acale, Plant Bugs (Tawnyed Plant Bug, Sank Bug), Peridermal Cicada	0.1-0.3	5-1/3-16	2-2/3-8	24-8	Repeat as necessary to maintain control. Do not feed or green fruit on treated orchard floor. Do not exceed 2.1 lbs. a.i. per acre per season. For dilute spray apply 200-500 gals per acre, but do not exceed 16 fl. oz. of Pyron 2.4 EC per acre per treatment. Plant Bug, Honey Apple Acale Control — Time of application is critical in achieving control. Use pyrethrin and post bloom spray timings recommended by State Extension Services.	21
Peach	Peach Tree Borer, Oriental Fruit Moth, Peach Tree Borer, Plum Curculio, Lesser Peach Tree Borer, Peridermal Cicada Plant Bugs (Tawnyed Plant Bug, Sank Bug)	0.1-0.3	5-1/3-16	2-2/3-8	24-8	Repeat as necessary to maintain control. Do not exceed 1.5 lbs. a.i. per acre per season with no more than 1.2 lbs. a.i. per acre per season between bloom and harvest. For dilute spray apply 200-500 gals per acre, but do not exceed 16 fl. oz. of Pyron 2.4 EC per acre per treatment. Do not green fruit on treated orchard floor. Peach Tree Borer Lesser Peach Tree Borer Control — apply as directed trunk and scaffold limb spray. Thorough coverage of trunk and scaffold limbs is essential. Peach Tree Borer, Plum Curculio, Oriental Fruit Moth, Peridermal Cicada Control Apply by ground sprayer to achieve thorough coverage of all aerial portions of the tree. Plant Bug Control — Time of application is critical in achieving control. Use pyrethrin and post bloom spray timings recommended by State Extension Services.	14
Pear (dominant)	Pear Psylla	0.2-0.4	10-2/3-21-1/3	8-14	12-6	Apply during dormant to prebloom (white bud) stage only. Do not apply more than 0.8 lb a.i. per acre per season. Do not green orchard floor. For dilute spray apply 150-250 gals per acre, but do not exceed 21-1/3 fl. oz. of Pyron 2.4 EC per acre per treatment.	

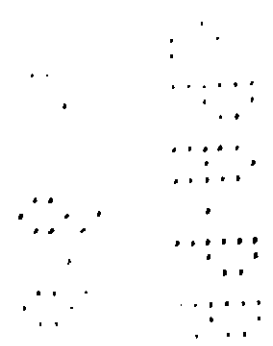
FRUITS AND NUTS cont.

13 12

Crop	Insect	Dosage			Number times treated with fruit	Particular Instructions	Days to Harvest
		Z-cyfluthrin-Spray		Disks Spray			
		Lb. a.i./ acre	Fl. oz./ acre	Fl. oz./ 100 gals.			
Pear ✓	Pear Psylla, Codling Moth, Green Fruitworm, Plum Curculion, Leafrollers, Pear Stag, Pearleaf Blight	0.1-0.3	5-1/3-16	2-2/3-8	24-8	Repeat as necessary to maintain control. Do not exceed 1.5 lbs. a.i. per acre per season, nor more than 0.9 lb. a.i. per acre between bloom and harvest. Do not feed or graze livestock on treated orchard floors. For dilute spray apply 200-600 gals. per acre, but do not exceed 16 fl. oz. of Pydrin 2.4 EC per acre per treatment.	28
Filbert ✓	Filbert Wren Oblique Banded Leafroller	0.2-0.4	10-2/3- 21-1/3	5-1/3- 10-2/3	12-6	Make first application after emergence of adult wren moths in early summer. Do not apply a second treatment earlier than three weeks after the first. Do not apply more than 0.8 lb. a.i. per acre per season. For dilute spray, apply 200-600 gals. per acre, but do not exceed 21-1/3 fl. oz. of Pydrin 2.4 EC per acre per treatment. Do not graze livestock in treated orchards.	21
Pecan ✓	Pecan Weevil, Nectar Sucker, Pecan Nut Casebearer, Pecan Aphid, Pecan Spittlebug Pecan Stem Phylloxera Pecan Leaf Phylloxera	0.1-0.3 0.1-0.3	5-1/3-16	2-2/3-8	24-8	Repeat as necessary to maintain control. Do not feed or graze livestock on treated orchard floors. Do not exceed 1.2 lbs. a.i. per acre per season. For dilute spray apply 200-600 gals. per acre, but do not exceed 16 fl. oz. of Pydrin 2.4 EC per acre per treatment. Correct timing of spray applications is critical in achieving optimum control of nut and stem phylloxera. Consult local spray recommendations for correct times of application.	21
Walnut ✓	Walnut Aphid Worm of Nutt Fly Codling Moth Navel Orangeworm	0.2-0.4	10-2/3- 21-1/3	5-1/3- 10-2/3	12-6	Repeat as necessary to maintain control. Do not exceed 0.8 lb. a.i. per acre per season. For dilute sprays, apply 200-600 gals. per acre but do not exceed 21-1/3 fl. oz. of PYDRIN 2.4 EC per acre per treatment. Do not feed or graze livestock on treated crop floors. NOTE: Use of bait in Walnut Nutt Fly sprays is recommended where endorsed by local Agricultural Extension Service. CONCENTRATE SPRAY: Apply specified dosage per acre in no less than 30 gals. of water per acre by ground or 5 gals. of water per acre by air.	21

15 13

Crop	Insect	Dosage		Number acres treated with label	Further Use Instructions	Days to Harvest
		lb a.i./acre	Fl oz/acre			
Artichoke ✓	Artichoke Flea Moth	0.1	5-1/3	24	Apply no more than three times per crop. Begin application when larvae first appear with subsequent applications at 14 day intervals. Apply in a maximum of 10 gallons per acre by air and 50-200 gallons per acre by ground (use sufficient water to obtain coverage without excessive runoff).	7
Cabbage, Cauliflower ✓	Diamondback Moth	0.05-0.1	2-2/3-5-1/3	40-24	Repeat as necessary to maintain control. Do not exceed 1.6 lb. a.i. per acre per season.	3
	Imported Cabbageworm, Cabbage Looper, Beet Armyworm, Alfalfa Looper, Flea Beetle, Grasshopper, Cutworm	0.1-0.2	5-1/3-10-2/3	24-12		
Cucumber, Melons (Cantaloupe, Honeydew Melon, Watermelon, Muskmelon), Pumpkin Squash (Summer, Winter) ✓	Pickleworm, Rindworm, Leafhoppers, Corn Earworm, Cabbage Looper, Squash Bug, Cutworm (seedling stage), Cucumber Beetle (adult control), Grasshoppers, Flea Beet (Lycus Bug), Stink Bugs, Squash Vine Borer	0.1-0.2	5-1/3-10-2/3	24-12	Repeat as necessary to maintain control. Do not exceed 1.6 lb. a.i. per acre per season. Do not apply on zucchini squash, as injury may occur.	3
Dry Beans Dry Peas ✓	Mexican Bean Beetle, Southern Caterpillar	0.05-0.1	2-2/3-5-1/3	40-24	Repeat as necessary to maintain control. Do not exceed 0.8 lb. a.i. per acre per season. Do not feed or graze livestock on treated vines.	21
	Corn Earworm, Potato Leafhopper, Pea Aphid, Grasshoppers, Pea Weevil, Leafhoppers, Cowpea Curculionid, Pea Leaf Weevil, Cutworms, Cabbage L. larva, Western Bean Cutworm, Vetch sawfly, Caterpillar, Beet Armyworm, Cucumber Beetle, Corn Rootworm (P-Salts), Painted Lady Butterfly (larvae), Green Cloverworm	0.1-0.2	5-1/3-10-2/3	24-12		



Group	Insect	lb of a.i.	Rate a.i.	ACR treated with Gallon	Further Use Information	Days to Harvest
Spotted	Colorado Potato Beetle, Flea Beetle, Corn Earworm, Looper, European Corn Borer	0.1-0.2	5-1/3-10-2/3	24-12	Begin apply when insects or their damage is observed and repeat at 7 to 10 day intervals as required. Do not exceed 1.4 lbs. a.i. per acre per month.	7
Spotted	Pean Aphid, Green Cloverworm	0.05-0.1	2-2/3-5-1/3	48-24	Repeat as necessary to maintain control but do not exceed 0.2 lb a.i. per acre per season. Do not feed treated for water to insects.	3
	Cabbage Looper, Cabbage Leafminer, Flea Beetle, Imported Cabbageworm, Alfalfa Caterpillar	0.1-0.2	5-1/3-10-2/3	24-12		
Spotted	European Corn Borer, Fall Armyworm, Saw Armyworm, Flea Beetle, Corn Earworm, Looper, Colorado Potato Beetle, Protophyta Worm, Cucumber Beetle (adult), Southern Armyworm	0.1-0.2	5-1/3-10-2/3	24-12	Begin application when insects or their damage is observed and repeat at 7 to 10 day intervals as required. Do not exceed 1.4 lbs. a.i. per acre per season.	7
Spotted	Pean Aphid, Pean Tobacco	0.05-0.1	2-2/3-5-1/3	48-24	Repeat as necessary to maintain control. Do not exceed 0.2 lb a.i. on treated vines. Do not exceed 1.4 lbs. a.i. per acre per month.	7
	Flourbeetle, Tarnished Plant Bug, Cabbage Looper, Pean Aphid, Pean Leafminer, Cucumber Beetle (adult), Imported Cabbageworm, European Corn Borer, Saw Armyworm, Winter Yellow-striped Armyworm, Buckhorn Aphid, Caterpillar	0.1-0.2	5-1/3-10-2/3	24-12		
	Colorado Potato Beetle	0.05-0.1	2-2/3-5-1/3	48-24		
	West of Mississippi River East of Mississippi River Long Island, NY	0.1-0.2 0.2	5-1/3-10-2/3 10-2/3	24-12 12		

VEGETABLE CROPS cont.

Crop	Insect	Range		Number times treated with Dolien	Further Use Instructions	Days to Harvest
		lb a.i. per acre	Fl oz a.i. per acre			
Sweet Corn	Corn Earworm, Southwestern Corn Root, European Corn Borer, Belt Armyworm, Flea Beetle, Sap Beetles (adults), Banded Cucumber Beetle, Tarnished Plant Bug	0.1-0.2	5-1/3-11 2/3	24-12	Do not exceed 2.0 lb a.i. per acre per season. Begin applications either before or at time of silking and continue as necessary to maintain control. For protection against corn borers after that of silking time, treat only necessary to maintain control. For additional information consult directions for use under field corn.	1
	Stalk Borer, Cucumber, Corn Rootworm (adult stages), Greenhopper, Chinese Beetle, Armyworm	0.1-0.2	5-1/3-10 2/3	24-12	For additional information consult directions for use under field corn.	
	Western Bean Cutworm	0.05-0.1	2-2/3-5-1/3	48-24		
	Corn Leaf Aphid, Dot-Bird-Cherry Aphid	0.1-0.2	5-1/3-10 2/3	24-12	For aphid control, direct the spray at the aphid population so as to achieve maximum coverage of the untreated plants. Aphids not contacted by the spray, such as on whorls and leaf axils, may not be adequately controlled.	
Tomato	Tomato Mothworm, Tobacco Mothworm	0.05-0.1	2-2/3-5-1/3	48-24	Repeat as necessary to maintain control. Do not feed or graze livestock on treated vines. Do not exceed 2.0 lb. a.i. per acre per season.	1
	Tomato Pinworm, Flea Beetle, Tomato Fruitworm, Colorado Potato Beetle, Cutworm, Cabbage Looper, Southern Armyworm, Sugarbeet Armyworm, Western Yellow-Striped Armyworm, Greenhopper, Whitefly, Potato Aphid	0.1-0.2	5-1/3-10 2/3	24-12	Note: Some bleaching or spotting may occur on the foliage of young plants. This does not affect yield or fruit quality.	
	Vegetable Leafminer	0.2	10-2/2	12		

SPECIALTY USES

P, 16

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions
		Lb of active	Fl oz of active		
Moss-Cup Lard (including public land such as forests, parks, or recreational areas.)	Brownhopper, Saltmarsh Caterpillar	0.85-0.1	2-2 1/2-5-1/3	40-24	Spray moss-cup land adjacent to filled areas to control migrating insects (brownhoppers, caterpillars) which are a threat to crops. Repeat as necessary to maintain control but do not exceed 2 lbs. active ingredient per acre per year. Do not treat forested crop to livestock. Do not spray ditch banks or areas adjacent to water.
	Armyworm, Army Caterpillar Chinch Bug	0.1-0.2	5-1/3-10-2/3	24-12	

Site	Insect	Dosage				Further Use Directions
		High Volume Sprays			Low Volume Sprays	
		Lb of 100 gals.	Fl oz of 100 gals.	PTSDS 2.4 CE/ gal of spray	(Dilution) lb per	
Christmas Tree Plantings, Pine Seed Orchard, Forest Tree Nurseries, Christmas Tree Plantings	Needle-Pine Top Moth, Spittlebugs, Pine-top Caterpillar, Red-banded Pine Sawfly, Balsam Woolly Apherid, Pine Chirp, Red Pine Sawfly, Pine Conical Bug, European Pine Sawfly, Cranberry Girdler (adult control), Pine Needle Midge, Balsam Twig Aphid	0.1-0.2	5-1/3-10-2/3	1/3-2/3 Season	0.1-0.2	Apply as needed to maintain control. Spray sufficient gallonage to obtain good coverage of entire tree. High volume sprays on Virginia Pine may cause some yellowing of needles, low volume (dilution) applications at the rate of 0.1 to 0.2 lb. active ingredient per acre avoid this problem.
	Pines Weevil, Northern Pine Weevil	0.1-0.2	5-1/3-10-2/3	1/3-2/3 Season		Apply as needed to maintain control. Dilute formulation in herbicide, instead of water, and spray tree stumps to control developing larvae. Use sufficient spray volume to thoroughly cover stumps.
	Caneworms, Sawflies, Seed Chalcid	11 lb/100 gals water for high volume sprayers. 3.5 pts/100 gals water for low volume sprayers. 0.75 lb active ingredient or not less than 10 gals of water for aerial applications.				Apply first application within 1 week of female flower closure or moth pollen flight for Webbing Caneworm control. For other Caneworms and Sawflies, apply first application within 30 days following female flower closure. Repeat application at intervals of 4 weeks but do not exceed 6.3 lbs. active ingredient per acre. For Seed Chalcid control, apply when all cones are present, and repeat at 1-2 week intervals for 2 or more sprays, or as needed. Apply approximately 5-10 gals of the 11 lb/100 gal dilution per tree with high volume sprayers. With low volume sprayers apply 100 gals of the 3.5 pts/100 gal dilution per acre. Do not graze or harvest cover crop. Avoid contact with open water. Some foliar diseases may occur on Douglas fir when concentrated (low volume) sprays are employed. To avoid this problem use high volume sprays.

SPECIALTY USES cont.

P. 17

Crop	Insect	Stage		Further Use Restrictions
		Start 1954-55	End 1954-55	
<p><i>all outdoor greenhouse</i></p> <p>✓</p>	<ul style="list-style-type: none"> Whitefly Colorado Cyprinids Leafhopper Black Vine Weevil Leafing Worms Plantlice 	1-4-2	5-13-14-20	<p>Apply as needed to maintain control. Spray sufficient coverage to obtain good coverage. For best control of leafhoppers and whiteflies, apply spray before extensive webbing or hatching is evident.</p> <p>NOTE: Spelling of leaves may occur in young plants, especially when plants are growing rapidly. Control should be avoided when treating the following: ornamentals, or treated plants had spotting or burning has been observed following treatment: Beans, Peas, Potatoes, Cypripediums, Hydrangeas, Malvaceae, Mimosaceae, Legumes, Cereals, Citrus, Sweet Corn, Scotch Pine, Pear, Walnut, Herring Bones, and Bayonet.</p>